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1/1 DWPI - (C) Derwent

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 Title Bimetal cylinder for plastic processing machines - with thin liner applied by cold metal forming
 Derwent Classes A32
 Patent Assignee (INZO) INTERATOM GMBH
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Basic Abstract EP--13927 A
 Cylinders of plastic processing machines such as extruders or injection moulding machines which suffer premature wear by mechanical abrasion and/or chemical corrosion are made in a bimetal design. A thick-walled outer tube receives a thin-walled inner tube by internal expansion through rolling or explosive metal-forming so that the inner tube is under tangential compressive stress. This provides good heat transfer conditions and facilitates the exchange of the fast wearing liners.

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